



CONSTRUCTION EQUIPMENT

VOLVO A40G 352780 - DIESEL ENGINE



Sample No: VCP05957356
Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3
Job No:



SAMPLE INFORMATION

Sample Number	VCP05957356	VCP331167	VCP336726	VCP341589
Sample Date	18 Sep 2023	04 Jan 2022	02 Jan 2022	14 Dec 2021
Machine Hours	3652	7065	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ATTENTION

ALTA EQUIPMENT COMPANY
 5151 DR MARTIN LUTHER KING BLVD
 FORT MYERS, FL
 US 33905
 Contact: TODD LARK
 tlark@altaequipfl.com
 T:
 F: (239)481-3302



OIL CONDITION

Visc @ 100°C	cSt	█ 12.4	█ 12.9	█ 13.1	▲ 12.3
Base Number (BN)	mg KOH/g	█ 8.7	█ 10.8	█ 11.2	█ 10.3
Oxidation (PA)	%	75	82	76	80

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.



CONTAMINATION

Soot %	%	█ 0.2	█ 0.3	█ 0.1	█ 0.2
Nitration (PA)	%	67	62	44	59
Sulfation (PA)	%	58	63	61	63
Glycol	%	NEG	NEG	NEG	NEG
Fuel	%	█ 0.7	<1.0	<1.0	<1.0
Silicon	ppm	█ 5	█ 5	█ 5	█ 7
Sodium	ppm	█ 2	█ 2	█ 2	█ 2
Potassium	ppm	█ 2	█ 0	█ 0	█ 0



WEAR METALS

Iron	ppm	█ 6	█ 5	█ 3	█ 7
Copper	ppm	█ 2	█ <1	█ 4	█ 26
Lead	ppm	█ <1	█ <1	█ 0	█ <1
Tin	ppm	█ <1	█ <1	█ 0	█ 1
Aluminum	ppm	█ <1	█ 1	█ <1	█ 2
Chromium	ppm	█ 0	█ <1	█ <1	█ <1
Molybdenum	ppm	█ 50	█ 41	█ 39	█ 46
Nickel	ppm	█ 2	█ 0	█ 0	█ <1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	█ 0	0	0	<1
Manganese	ppm	█ <1	█ <1	█ <1	█ <1
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	█ 1852	█ 1447	█ 1374	█ 1684
Magnesium	ppm	█ 558	█ 430	█ 425	█ 484
Zinc	ppm	█ 1158	█ 987	█ 959	█ 1091
Phosphorus	ppm	█ 936	█ 803	█ 778	█ 935
Barium	ppm	█ 0	█ 0	█ 0	█ 0
Boron	ppm	█ 35	█ 41	█ 63	█ 48

Depot: VOLVO0090
Unique No: 10658569
Signed: Wes Davis
Report Date: 25 Sep 2023



CONSTRUCTION EQUIPMENT



VOLVO GRAPHS

